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PTO/SB/21 (08-00)

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/658,356
	Conf. No.	2103
	Filing Date	09/09/03
	First Named Inventor	Spilker, Jr.
	Group Art Unit	3662
	Examiner Name	Dao L. Phan
Total Number of Pages in This Submission	Attorney Docket Number	RSM047001

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Richard A. Dunning, Jr.
Signature	
Date	7/1/04

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, PO BOX 1450, Alexandria VA 22313-1450 on this date:			
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Spilker, Jr. et.al.
Serial No. : 10/658,356
Filed : September 9, 2003
Title : POSITION LOCATION USING BROADCAST DIGITAL TELEVISION
SIGNALS COMPRISING PSUEDONNOISE SEQUENCES

Art Unit : 3662
Examiner : Phan, Dao Linda
Conf. No. : 2103

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. §1.111

In response to the action mailed June 7, 2004 (PTO Paper No. not supplied), Applicant submits the copies of references listed on page 2 of the Information Disclosure Statement filed on April 29, 2004 as requested for examination. A copy of page 2 is also enclosed.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

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Applicant : Spilker, Jr. et al.
Serial No. : 10/658,356
Filed : September 9, 2003

Attorney Docket No.: RSM047001

Page: 6

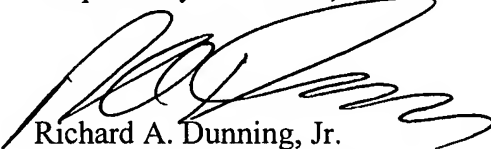
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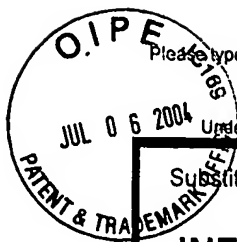
Applicant respectfully requests that a timely Notice of Allowance be issued in this case. However, should there remain unresolved issues that require action, it is respectfully requested that the Examiner telephone Richard A. Dunning, Jr., Applicant's Attorney, at 831.420.0561 so that such issues may be resolved as expeditiously as possible.

Date: _____

6/30/04
Law Office of Richard A. Dunning, Jr.
343 Soquel Avenue
Suite 311
Santa Cruz, CA 95062
Telephone: 831.420.0561
Facsimile: 413.541.0092

Respectfully submitted,


Richard A. Dunning, Jr.
Attorney/Agent for Applicant(s)
Reg. No. 42502



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Appl. No. & Conf. No.	10/658,356	2103
Filing Date	9/9/2003	
First Named Inventor	Spilker, Jr. et al.	
Group Art Unit	3662	
Examiner Name		
Attorney Docket Number	RSM047001	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	PARKINSON, B.W., et al., "Autonomous GPS Integrity Monitoring Using the Pseudorange Residual," <i>Journal of the Institute of Navigation</i> (1988), Vol. 35, No. 2, pages 255-274.	
	AB	RABINOWITZ, M., "A Differential Carrier Phase Navigation System Combining GPS with Low Earth Orbit Satellites for Rapid Resolution of Integer Cycle Ambiguities," <i>PhD Thesis for Department of Electrical Engineering, Stanford University</i> (Dec. 2000), pages 59-73.	
	AC	SPIPKER, JR., J.J., "Fundamentals of Signal Tracking Theory," <i>Global Positioning System: Theory and Applications</i> (1994), Vol. 1, Chapter 7, pages 245-327.	
	AD	VAN DIERENDOCK, A.J., "GPS Receivers," <i>Global Positioning System: Theory and Applications</i> (1995), Vol. 1, Chapter 8, pages 329-407.	
	AE	LI, X., et al., "Indoor Geolocation Using OFDM Signals in HIPERLAN/2 Wireless LANS," 11 th IEEE International Symposium on Personal Indoor and Mobile Radio Communications, PIMRC 2000, Proceedings (Cat. No. 00TH8525), Proceedings of 11 th International Symposium on Personal Indoor and Mobile Radio Communication, London, UK, Sept. 18-21, pp.1449-1453, Vol. 2, XPO10520871, 2000, Piscataway, NJ, USA, IEEE, USA, ISBN: 9-7803-6463-5, Chapter I and III	
	AF	RABINOWITZ, M., et al., "Positioning Using the ATSC Digital Television Signal," Rosum whitepaper, Online! 2001, XP002235053, Retrieved from the Internet on 03-13-2003 at URL www.rosun.com/whitepaper 8-7-01.pdf	
	AG	EP Abstract/Zusammenfassung/Abrege, 02102666.1	
	AH	JP Abstract/ Vol. 007, No. 241 (P-232), 10-26-1983 & JP58 129277 A (Nihon Musen KK) 08-02-1983	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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Sheet	1	of	2	Appl. No. & Conf. No.	10/658,356 2103
				Filing Date	9/9/2003
				First Named Inventor	Spilker, Jr. et al.
				Group Art Unit	3662
				Examiner Name	
				Attorney Docket Number	RSM047001

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
DP	A	5,157,686		Omura et al.	10-20-1992	
	B	5,166,952		Omura et al.	11-24-1992	
	C	5,920,284		Victor	07-06-1999	
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	E	6,107,959		Levanon	08-22-2000	
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	L	5,481,316		Patel	01-02-1996	
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	O	5,774,829		Cisneros et al.	06-30-1998	
	P	5,952,958		Speas et al.	09-14-1999	
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	R	5,398,034		Spilker, Jr.	03-14-1995	
	S	5,323,322		Mueller et al.	06-21-1994	
	T	5,504,492		Class et al.	04-02-1996	
	U	5,593,311		Davies et al.	09-14-1999	
	V	10/036,700		Panasik et al.	12-31-2001	
✓	W	4,652,884		Starker	03-24-1987	
DP	X	6,433,740		Gilhausen	08-2002	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^d
		Office ²	Number ³	Kind Code ⁴ (if known)				
DP	Y	GB	2 222 922	A	Spectronics Micro System	03-21-1990		
DP	Z	GB	2 254 508	A	Mitchison, et al.	10-07-1992		

Examiner Signature 	Date Considered	5/28/04
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